EPA	Registra	tion Number	66222-163	Vol. 1
	6)			

MATERIAL TO BE ADDED TO JACKET

RE	G #	66222-163	
Descripti	on:	Notification PRN 98	10
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

MAY 13 2011

Ms. Christie Hitchcock Makhteshim Agan North America, Inc. 4515 Falls de Neuse Rd., Suite 300 Raleigh, NC 27609

Dear Ms. Hitchcock:

The Agency is in receipt (S855736/D418419; Code 332) of the following Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10:

Product

CSF

EPA Reg No 66222-163 N-Lock Nitrogen Stabilizer Basic, July 29, 2009 Alternate, July 29, 2009

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The Confidential Statement of Formula (CSF) submitted with the application is considered "acceptable" and has been placed in our records.

If you have any questions, please call me directly at 703-305-5335 or María I. Rodríguez of my staff at 703-305-6710.

Sincerely,

Paul Mastradone, Acting Leader

Notifications & Minor Formulations Team

Registration Division (7505P) Office of Pesticide Programs



0 38419 Cole 332

OSF -Basic - Sut

July 29, 2009

Document Processing Desk Registration Division (7504P) (NOTIF) Office of Pesticide Programs U.S. Environmental Protection Agency Ariel Rios Building 1200 Pennsylvania Ave, NW Washington DC 20460

Re: Notification of Revised Basic and Revised Alternate CSFs per PR Notice 98-10 N-Lock® Nitrogen Stabilizer, EPA Reg. No. 66222-163

To Whom It May Concern:

Makhteshim Agan of North America, Inc. is notifying the agency of a revised Basic CSF and a revised Alternate CSF for the above referenced product. This revised Basic CSF replaces the Basic CSF dated 02-27-08 and the revised Alternate CSF replaces the Alternate CSF dated 05-22-08. We are adding EPA approved Establishment facilities and alternate inert suppliers.

In support of this submission, the following documents are attached:

- Application for Pesticide Registration (EPA Form 8570-1)
- Two copies of the revised Basic CSF (dated 07-29-09)
- Two copies of the revised Alternate CSF (dated 07-29-09)
- Copies of the replaced Basic CSF (dated 02-27-08) and the Alternate CSF (dated 05-22-08).

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

Please contact me at 919-256-9342 or by e mail at chitchcock@manainc.com if you have any questions regarding this request.

Sincerely,

Christie Hitchcock
Regulatory Specialist

Enclosures

4515 Falls of Neuse Road, Suite 300, Raleigh NC 27609 T: 919.256.9305 • F: 919.256.9308

I certify that the statements I have mede on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingily false or misleading statement may be punishable by fine or imprisonment are

3. Title

5. Date

Regulatory Specialist

07-29-09

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

ruitie Allehood

both under applicable law.

2. Signature

Christie Hitchcock

White - EPA File Copy (original)

Yellew - Applicant Copy

Received

(Stamped)

MATERIAL TO BE ADDED TO JACKET

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	new stamped accepted label	Send
	new CSF	to
A)	notification	CSC
erial in aterial en hold er (if re	t to the top of ALL material sent to the file room (both look jackets). This sheet will be imaged; a clear description vin the e-jacket. Remove staples from all material. If retution together with a binder or paper clip. CSFs should be platering jacket) or covered with a red CBI sheet (if returning to be returned to file room should be place in the appro	will aid urning aced ing lo



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

MAY 1 3 2011

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Ms. Jane Rothwell Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

Dear Ms. Rothwell:

The Agency is in receipt (S847199/D407756; Code 332) of the following Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10:

Product

CSF

EPA Reg No 66222-163 N-Lock Nitrogen Stabilizer

Alternate, March 6, 2009

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The Confidential Statement of Formula (CSF) submitted with the application is considered "acceptable" and has been placed in our records.

If you have any questions, please call me directly at 703-305-5335 or María I. Rodríguez of my staff at 703-305-6710.

Sincerely

Paul Mastradone, Acting Leader

Notifications & Minor Formulations Team

Registration Division (7505P)
Office of Pesticide Programs

MATERIAL TO BE ADDED TO JACKET

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Des	cript	ion:	PR Notice Changes		•	
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Christie Hitchcock Regulatory Specialist Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

OCT 28 2008

Subject: Notification(s) for Label Revisions under PRN 2007-4

Dear Ms. Hitchcock:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 dated September 22, 2008 for:

EPA Registration 66222-163 N-LOCK

The Registration Division (RD) has conducted a review of the request(s) for applicability under 2007-4 and finds that the label changes requested fall within the scope of 2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identify the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs

TM N-LOCK

Nitrogen Stabilizer

Use to control the nitrification process in the soil and delay nitrification of ammoniacal and urea nitrogen fertilizer compositions.

ACTIVE INGREDIENT: % BY WT.

NOTIFICATION

Contains petroleum distillates

DCT 28 2008

Contains 2 pounds of active ingredient per gallon.

NOTIFICATION

100.0%

TOTAL

OCT 28 2008 Manufactured for:

Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

EPA Reg. No. 66222-163

EPA Est. No.

Letter(s) in lot number correspond(s) to superscript in EPA Est. No.

Net Contents: Gallons

KEEP OUT OF REACH OF CHILDREN **WARNING-AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID
IF ON SKIN OR	Take off contaminated clothing.
CLOTHING:	Rinse skin immediately with plenty of water for 15-20 minutes.
	Call a poison control center or doctor for treatment advice.
IF IN EYES:	 Hold eye open and rinse slowly and gently with water for 15-20 minutes.
	 Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye
	 Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	Immediately call a poison control center or doctor.
	 Do not induce vomiting unless told to do so by a poison control center or doctor.
	Do not give any liquid to the person.
	Do not give anything by mouth to an unconscious person.
IF INHALED:	Move person to fresh air.
	If person is not breathing, call 911 or an ambulance, then give artificial
	respiration, preferably mouth-to-mouth if possible.
	 Call a poison control center or doctor for further treatment advice.
Have the product of	container or label with you when calling a poison control center or doctor, or going for

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

treatment. You may also contact Prosar at 1-877-250-9291 for 24-hour emergency medical help. NOTE TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia

WARNING. Harmful if inhaled, swallowed, or absorbed through skin. Causes moderate eye irritation so avoid contact with eyes. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. therefore avoid contact with skin. Avoid contact with clothing. Avoid breathing vapor or spray mist.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of wastes.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or Viton
- Shoes plus socks
- Protective eyewear

For more options of chemical-resistant materials than those listed above, follow the instructions for category G on an EPA chemical resistance selection chart.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon
 as possible, wash thoroughly and change into clean clothing.

PHYSICAL AND CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 24 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, includes:

- Coveralls
- Chemical-resistant gloves such as barrier laminate or Viton
- · Shoes plus socks
- Protective eyewear

GENERAL USE INFORMATION AND PRECAUTIONS

Nitrogen fertilizers are required in large quantities for optimum production of many crops including corn, sorghum, and wheat. For economic and other reasons, it is very important to prevent the loss of this nitrogen through volatilization, leaching, or denitrification. Denitrification is the biochemical reduction of nitrates, under saturated conditions, to nitrogen gases and accounts for the majority of the nitrogen lost in most soils. One way to reduce the conversion of ammonium nitrogen to nitrates is to control the Nitrosomonas bacteria which are required for this reaction to proceed. The use of a nitrification inhibitor like N-LOCKTM delays the conversion of ammonium nitrogen to nitrate nitrogen for several weeks by controlling the activity of the soil bacteria.

N-LOCKTM nitrogen stabilizer is not a substitute for fertilizer. It is an oil-soluble product that may be used with urea fertilizers, anhydrous ammonia and dry ammonium in corn, sorghum, and wheat. N-LOCKTM, when mixed with a compatibility agent, may be used in the application of aqua ammonia, other liquid ammoniacal or urea nitrogen fertilizer compositions. When liquid or dry ammonium, urea fertilizers, or animal wastes are surface applied, N-LOCKTM may be mixed with water and a compatibility agent and applied during the incorporation operation.

Chemigation: Do not apply N-LOCK™ through any type of irrigation system.

Corrosion Precaution: N-LOCK™ is corrosive to aluminum and may affect the operation of pumping, mixing, and application equipment. To minimize corrosion of submerged aluminum parts, especially when N-LOCK™ is mixed with anhydrous ammonia, replace all aluminum parts with parts constructed of mild steel or stainless steel materials. Side-mount or end-mount liquid level float gauges containing aluminum should be replaced with stainless and mild steel gauges. To further minimize corrosion of equipment and for maximum effectiveness, do not store anhydrous ammonia containing N-LOCK™ longer than 3 weeks. Acme fitting gaskets should be replaced as needed with standard Buna-N or Buna-S gaskets. More resistant gasket materials such as Teflon may also be used.

Equipment Cleanup: To avoid damage to spray equipment, rinse application equipment used to apply liquid fertilizers and N-LOCK™ with water after each application.

MIXING DIRECTIONS

Compatibility Agent: Some of the applications suggested for N-LOCK™ require the use of a compatibility agent. Be sure to use a compatibility agent registered for agricultural use where required. Most phosphate ester types of compatibility agents are useful in these mixtures. Follow the label directions for the compatibility agent to determine rates and any use precautions.

Application with Liquid Manure

Apply 1 to 2 quarts N-LOCK™ per acre when mixing with liquid animal manure. The 2 quart per acre rate is recommended for all fall applications with liquid animal manure. Be sure to premix N-LOCK™ and a phosphate ester compatibility agent at a ratio of 1 part phosphate ester compatibility agent to 8 parts N-LOCK™ before adding the N-LOCK™ mixture to the liquid animal manure.

Application with Anhydrous Ammonia

N-LOCKTM is soluble in liquid anhydrous ammonia. It may be pumped into the anhydrous tank through the liquid fill valve before, during, or after loading. Be sure to use properly calibrated pumping and metering systems to inject N-LOCKTM into the tank. The mixture of ammonia containing N-LOCKTM should then be applied to cropland using conventional ammonia application equipment. **Note:** Although a tank mixture of N-LOCKTM with anhydrous ammonia is the preferred method of application, this mixture may also be applied through downstream injection systems.

Application with Liquid Fertilizers

N-LOCKTM may be mixed with liquid fertilizers such as aqua ammonia or other liquid ammoniacal or urea nitrogen fertilizer compositions if a compatibility agent is used. Follow one of the following methods to create a stable emulsion with N-LOCKTM in liquid fertilizer: (1) Premix the compatibility agent and N-LOCKTM in a separate container and then under continuous agitation add the mixture to the liquid fertilizer; or, (2) add the compatibility agent to the fertilizer under continuous agitation and then add the required amount of N-LOCKTM to the tank.

Application with Granular Ammonium and Urea

N-LOCK™ may be impregnated on most dry ammoniacal fertilizers or fertilizer blends containing ammoniacal fertilizers. To ensure optimum results, make a uniform application to the field and incorporate immediately

Use a closed rotary drum mixer equipped with suitable spraying equipment for impregnating N-LOCK™ on dry fertilizers. Be sure to position the spray nozzle inside the mixer to provide uniform spray coverage of the tumbling fertilizer. The rate of N-LOCK™ is determined by the rate per acre specified in the crop section in this label. Do not add more than 1 quart N-LOCK™ per 100 pounds of nitrogen fertilizer or add less than 1 quart N-LOCK™ per 500 pounds of nitrogen fertilizer. At the higher concentrations of N-LOCK™, the fertilizer may not readily absorb all of the liquid. If this is the case, add an absorptive powder such as Micro-Cel E separately and uniformly to the fertilizer blend following addition of N-LOCK™.

Always apply bulk fertilizers impregnated with N-LOCK™ immediately and do not store. To prevent loss of N-LOCK™ by volatilization, be sure that bulk containers are tightly covered while the products are being transported and applied. Incorporate all fertilizers impregnated with N-LOCK™ immediately after application for optimal performance.

Note: All individual state regulations including those related to flammable liquid handling and to dry bulk blending registration, labeling, and application are the responsibility of the individual and/or company selling N-LOCK™ on fertilizer mixtures.

Precautions:

- 1. Do not use N-LOCK™ with dry fertilizers containing nitrate such as ammonium nitrate, potassium nitrate, or calcium nitrate.
- Do not mix seed with dry fertilizers impregnated with N-LOCK™.

TANK MIXING WITH HERBICIDES

On corn and sorghum, N-LOCKTM may be applied in tank mixtures with some preplant incorporated herbicides. Check local crop recommendations to determine which preplant incorporated herbicides are registered for use on corn and sorghum. The mixtures may be in water, in most urea-ammonium nitrate solutions, or in N-P-K solutions, slurries, or suspensions. The physical compatibility of these tank mixtures should be determined before combining in the spray tank. See the section below on testing for tank mix compatibility.

Always maintain constant agitation during both mixing and application to ensure uniformity of the spray mixture. Read and carefully follow all applicable directions including dosage rates, restrictions, and precautions for the specified crops on labeling for the other products used in combination with N-LOCK™.

N-LOCK™ may be tank mixed with herbicides in water or liquid fertilizers using the following mixing sequence:

- 1. Fill the spray tank 1/2 full of water or liquid fertilizer.
- Begin agitation.
- 3. Add a compatibility aid, if needed. (If water slurried premixes of wettable powders or flowables are used as in Steps 4 and 5, a compatibility aid may be added to the premix for convenience.)
- 4. Add wettable powder formulations to the tank (make the water slurry with wettable powders first).
- 5. Add flowable formulations to the tank.
- 6. Add emulsifiable concentrate formulations including N-LOCK™ to the tank (premix 1:2 with water first if introduced to the tank through eductor systems.)
- 7. Add the balance of the water or liquid fertilizer and continue agitation until tank is empty.

Note: The compatibility of N-LOCKTM with liquid fertilizers and/or herbicide mixtures may be determined by adding proportionate amounts of each ingredient to a small jar, shaking the capped jar, and then letting the mixture stand for 15 minutes. If a precipitate forms or the mixture separates and these do not readily redisperse, an incompatible mixture is likely and it should not be applied.

	CORN		
Application Method:	Preplant or At-Plant Row or Band Injection	*****	
Rate:	1 quart N-LOCK™ per acre		****
Specific Directions: at a minimum depth of	N-LOCK™ must be injected or incorporated in a zone or ba 2 to 4 inches during or immediately after application.	and in the soil with	the fertilize
Amalianda w Madhada	Parallel at District and a second	*****	1
Application Method:	Preplant or At-Plant Broadcast Application	0 0	****
Rate:	1 to 2 quarts N-LOCK™ per acre	*****	•

Specific Directions: The higher rate is preferred when fall applications are made to spring-planted crops. N-LOCK™ must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Postplant (Side Dress) Application Rate: 0.5 to 1 quart N-LOCK™ per acre

Specific Directions: Make application anytime after crop emergence but before 30 days postplant. N-LOCK™ must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Split Application

Rate: 0.5 to 1 quart N-LOCK™ per acre

Specific Directions: A second application may be made postplant following a preplant or at-plant application. The higher rate is recommended where nitrogen fertilization is geared to high yield production. N-LOCK™ must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

RESTRICTIONS:

Do not apply more than 2 quarts N-LOCK™ per acre per year.

Make only 1 postplant application per year and make it within 30 days of planting.

Corn, sorghum, and wheat may be rotated in less than 1 year from the last application. All other crops must be
planted at least 1 year after the last application.

SORGHUM AND WHEAT

Application Method: Preplant or At-Plant Row or Band Injection

Rate: 1 quart N-LOCK™ per acre

Specific Directions: N-LOCK™ must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Preplant or At-Plant Broadcast Application

Rate: 1 to 2 quarts N-LOCK™ per acre

Specific Directions: The higher rate is preferred when fall applications are made to spring-planted crops. N-LOCKTM must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

RESTRICTIONS:

- Do not apply more than 2 quarts N-LOCK™ per acre per year.
- Make only 1 postplant application per year.
- Corn, sorghum, and wheat may be rotated in less than 1 year from the last application. All other crops must be
 planted at least 1 year after the last application.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Store in original container and keep tightly closed. Store above 28°F to keep product in solution. If stored below 24°F, crystals may form and settle to the bottom of the container. To redissolve the crystals, allow the contents to warm up to about 70°F and to stand for several days at that temperature. Once the crystals have dissolved, roll the container gently to get a uniform mixture of the contents.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

Nonrefillable Container (five gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ½ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer it for recycling or reconditioning, or puncture and dispose of the container in a sanitary landfill, or by other procedures approved by state and local authorities.

Nonrefillable Container (greater than five gallons): Nonrefillable container. Do not reuse or refill this container.

Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer it for recycling or reconditioning, or puncture and dispose of the container in a sanitary landfill, or by other procedures approved by state and local authorities.

Refillable Container: Refillable container. Refill this container with the active ingredient nitrapyrin only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL INFOTRAC AT 1-800-535-5053.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following CONDITIONS, DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITY.

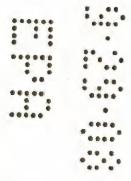
CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

N-LOCK™ is a trademark of Makhteshim Agan of North America, Inc.

N-LOCK Nitrogen Stabilizer (66222-163)(EPA app 4-2-08)(notif to EPA 09-22-08)





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

July 9, 2008

Ms. Leanne Pruett
Regulatory Project Manager
MASKHTESHIM AGAN OF NORTH AMERICA, INC.
4515 Falls of Neuse Road Suite 300
Raleigh, NC 27609

Subject: CSF Notification

Dear Mr. Pruett:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated <u>5/22/08</u> for **EPA Registration 66222-163**. The Registration Division (RD) has conducted a review of the Confidential Statement of Formula (CSF) submitted with this request for its applicability under PRN 98-10 and finds that the change(s) requested falls within the scope of PRN 98-10. Therefore, the Alternate CSF dated <u>5/22/08</u> is acceptable. A copy of the CSF has been added to the registration file for the subject product.

If you have any questions, please contact me via telephone at 703-308-8893 or e-mail (hobgood.sherada@epa.gov).

Sincerely,

/s/

Sherada D. Hobgood Notifications Review Coordinator Registration Division (7505P) Office of Pesticide Programs



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460 66222-163

Date of Issuance:

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200R

NOTICE OF PESTICIDE:

x Registration __ Reregistration (under FIFRA, as amended) Term of Issuance: Conditional

Name of Pesticide Product:

N-Lock Nitrogen Stabilizer

Name and Address of Registrant (include ZIP Code):

Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) and (B) provided that you:

- 1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
- Submit within one year of the date of this registration notice, storage stability (830.6317) and corrosion characteristics (830.6320) studies.
- 3. Make the following label changes:
 - a. Revise the product label by changing the product label nominal concentration from 22.2% to 24.0%, so it agrees with the basic CSF (dated 2/27/08).
 - b. Revise the EPA Registration Number to read, "EPA Reg. No. 66222-163.
- 4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Signature of Approving Official:	Date:
Joanne I. Miller Product Manager 23 Herbicide Branch Registration Division (7505P)	-2 APR 2008

- 5. Provide the Agency the following information prior to formulating your product:
 - a. The registration number and the establishment number of the manufacturing and technical product from which this product is derived,
 - The name and address of the entity from which the manufacturing product was obtained, and
 - c. A copy of the bill of sale.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Joanne I. Miller Product Manager (23) Herbicide Brancb Registration Division (7505P)

N-LOCK

Under the Federal Insecticide,

cide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

ACCEPTED WITH COMMENTS in RPA Letter Deted

66222-163

Nitrogen Stabilizer

Use to control the nitrification process in the soil and delay nitrification of ammoniacal and urea nitrogen fertilizer compositions.

% BY WT. **ACTIVE INGREDIENT:** TOTAL

> Contains petroleum distillates Contains 2 pounds of active ingredients per gallon.

EPA Reg. No. 66222-xxx

EPA Est. No.

Manufactured for:

Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

> Net Contents: Gallons

KEEP OUT OF REACH OF CHILDREN WARNING-AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID	
IF ON SKIN OR CLOTHING:	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. 	
IF IN EYES:	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue Call a poison control center or doctor for treatment advice. 	rinsing eye.
IF SWALLOWED:	 Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. 	octor.
IF INHALED:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice. 	

treatment. You may also contact Prosar at 1-877-250-9291 for 24-hour emergency medical help. NOTO TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. Harmful if inhaled, swallowed or absorbed through skin. Causes moderate eye irritation so avoid contact with eyes. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals, therefore avoid contact with skin. Avoid contact with clothing. Avoid breathing vapor or spray mist.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of wastes.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or Viton
- Shoes plus socks
- · Protective eyewear

For more options of chemical-resistant materials than those listed above, follow the instructions for category G on an EPA chemical resistance selections chart.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon
 as possible, wash thoroughly and change into clean clothing.

PHYSICAL AND CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CPR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 24 hours.

Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, includes:

- Coveralls
- Chemical-resistant gloves such as barrier laminate or Viton
- Shoes plus socks
- Protective eyewear

GENERAL USE INFORMATION AND PRECAUTIONS

Nitrogen fertilizers are required in large quantities for optimum production of many crops including corn, sorghum and wheat. For economic and other reasons, it is very important to prevent the loss of this nitrogen through volatilization, leaching or denitrification. Denitrification is the biochemical reduction of nitrates, under saturated conditions, to nitrogen gases and accounts for the majority of the nitrogen lost in most soils. One way to reduce the conversion of ammonium nitrogen to nitrates is to control the Nitrosomonas bacteria which are required for this reaction to proceed. The use of a nitrification inhibitor like N-LOCK® delays the conversion of ammonium nitrogen to nitrate nitrogen for several weeks by controlling the activity of the soil bacteria.

N-LOCK® nitrogen stabilizer is not a substitute for fertilizer. It is an oil soluble product that may be used with urea fertilizers, anhydrous ammonia and dry ammonium in com, sorghum and wheat. N-LOCK®, when mixed with a compatibility agent, may be used in the application of aqua ammonia, other liquid ammoniacal or urea nitrogen fertilizer compositions. When liquid or dry ammonium, urea fertilizers or animal wastes are surface applied, N-LOCK® may be mixed with water and a compatibility agent and applied during the incorporation operation.

Chemigation: Do not apply N-LOCK® through any type of irrigation system.

Corrosion Precaution: N-LOCK® is corrosive to aluminum and may affect the operation of pumping, mixing, and application equipment. To minimize corrosion of submerged aluminum parts, especially when N-LOCK® is mixed with anhydrous ammonia, replace all aluminum parts with parts constructed of mild steel or stainless steel materials. Side-mount or end-mount liquid level float gauges containing aluminum should be replaced with stainless and mild steel gauges. To further minimize corrosion of equipment and for maximum effectiveness, do not store anhydrous ammonia containing N-LOCK® longer than 3 weeks. Acme fitting gaskets should be replaced as needed with standard Buna-N or Buna-S gaskets. More resistant gasket materials such as Teflon may also be used.

Equipment CleanUp: To avoid damage to spray equipment, rinse application equipment used to apply liquid fertilizers and N-LOCK® with water after each application.

MIXING DIRECTIONS

Compatibility Agent: Some of the applications suggested for N-LOCK® require the use of a compatibility agent. Be sure to use a compatibility agent registered for agricultural use where required. Most phosphate ester types of compatibility agents are useful in these mixtures. Follow the label directions for the compatibility agent to determine rates and any use precautions.

Application with Liquid Manure

Apply 1 to 2 quarts N-LOCK® per acre when mixing with liquid animal manure. The 2 quart per acre rate is recommended for all fall applications with liquid animal manure. Be sure to premix N-LOCK® and a phosphate ester compatibility agent at a ratio of 1 part phosphate ester compatibility agent to 8 parts N-LOCK® before adding the N-LOCK® mixture to the liquid animal manure.

Application with Anhydrous Ammonia

N-LOCK® is soluble in liquid anhydrous ammonia. It may be pumped into the anhydrous tank through the liquid fill valve before, during, or after loading. Be sure to use properly calibrated pumping and metering systems to inject N-LOCK® into the tank. The mixture of ammonia containing N-LOCK® should then be applied to cradiand using conventional ammonia application equipment. Note: Although a tank mixture of N-LOCK® with anhydrous ammonia is the preferred method of application, this mixture may also be applied through downstream injection systems.

Application with Liquid Fertilizers

N-LOCK® may be mixed with liquid fertilizers such as aqua ammonia or other liquid ammoniacal or urea nitrogen fertilizer compositions if a compatibility agent is used. Follow one of the following methods to create a stable emulsion with N-LOCK® in liquid fertilizer: (1)

Pre-mix the compatibility agent and N-LOCK® in a separate container and then under continuous agitation add the

Pre-mix the compatibility agent and N-LOCK® in a separate container and then under continuous agitation add the mixture to the liquid fertilizer; or, (2) add the compatibility agent to the fertilizer under continuous agitation and then add the required amount of N-LOCK® to the tank.

Application with Granular Ammonium and Urea

N-LOCK® may be impregnated on most dry ammoniacal fertilizers or fertilizer blends containing ammoniacal fertilizers. To insure optimum results, make a uniform application to the field and incorporate immediately.

Use a closed rotary drum mixer equipped with suitable spraying equipment for impregnating N-LOCK® on dry fertilizers. Be sure to position the spray nozzle inside the mixer to provide uniform spray coverage of the tumbling fertilizer. The rate of N-LOCK® is determined by the rate per acre specified in the crop section in this label. Do not add more than one quart N-LOCK® per 100 pounds of nitrogen fertilizer or add less than one quart N-LOCK® per 500 pounds of nitrogen fertilizer. At the higher concentrations of N-LOCK®, the fertilizer may not readily absorb all of the liquid. If this is the case, add an absorptive powder such as Micro-CelE separately and uniformly to the fertilizer blend following addition of N-LOCK®.

Always apply bulk fertilizers impregnated with N-LOCK® immediately and do not store. To prevent loss of N-LOCK® by volatilization, be sure that bulk containers are tightly covered while the products are being transported and applied. Incorporate all fertilizers impregnated with N-LOCK® immediately after application for optimal performance.

Note: All individual state regulations including those related to flammable liquid handling and to dry bulk blending registration, labeling and application are the responsibility of the individual and/or company selling N-LOCK® on fertilizer mixtures.

Precautions:

- 1. Do not use N-LOCK with dry fertilizers containing nitrate such as ammonium nitrate, potassium nitrate or calcium nitrate.
- Do not mix seed with dry fertilizers impregnated with N-LOCK.

TANK MIXING WITH HERBICIDES

On corn and sorghum, N-LOCK® may be applied in tank mixtures with some preplant incorporated herbicides. Check local crop recommendations to determine which preplant incorporated herbicides are registered for use on corn and sorghum. The mixtures may be in water, in most urea-ammonium nitrate solutions or in N-P-K solutions, slurries or suspensions. The physical compatibility of these tank mixtures should be determined before combining in the spray tank. See the section below on testing for tank mix compatibility.

Always maintain constant agitation during both mixing and application to ensure uniformity of the spray mixture. Read and carefully follow all applicable directions including dosage rates, restrictions, and precautions for the specified crops on labeling for the other products used in combination with N-LOCK®.

N-LOCK® may be tank mixed with herbicides in water or liquid fertilizers using the following mixing sequence:

- 1. Fill the spray tank 1/2 full of water or liquid fertilizer.
- 2. Begin agitation.
- 3. Add a compatibility aid, if needed. (If water slurried premixes of wettable powders or flowables are used as in Steps 4 and 5, a compatibility aid may be added to the premix for convenience).
- 4. Add wettable powder formulations to the tank (make the water slurry with wettable powders first).
- 5. Add flowable formulations to the tank.
- 6. Add emulsifiable concentrate formulation including N-LOCK® to the tank (pre mix 1:2 with water first if introduced to the tank through eductor systems.)
- 7. Add the balance of the water or liquid fertilizer and continue agitation until tank is empty.

Note: The compatibility of N-LOCK® with liquid fertilizers and/or herbicide mixtures may be determined by adding proportionate amounts of each ingredient to a small jar, shaking the capped jar, and then letting the

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mixture stand for 15 minutes. If a precipitate forms or the mixture separates and these do not readily redisperse, an incompatible mixture is likely and it should not be applied.

CORN

Application Method: Preplant or At-Plant Row or Band Injection

Rate: 1 quart N-LOCK®per acre

Specific Directions: N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer

at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Preplant or At-Plant Broadcast Application

Rate: 1 to 2 quarts N-LOCK®per acre

Specific Directions: The higher rate is preferred when fall applications are made to spring planted crops. N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Postplant (Side Dress) Application
Rate: 0.5 to 1 quarts N-LOCK® per acre

Specific Directions: Make application any time after crop emergence but before 30 days post plant. N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Split Application

Rate: 0.5 to 1 quarts N-LOCK®per acre

Specific Directions: A second application may be made postplant following a preplant or at-plant application. The higher rate is recommended where nitrogen fertilization is geared to high yield production. N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

RESTRICTIONS:

Do not apply more than 2 quarts N-LOCK® per acre per year.

Make only 1 postplant application per year and make it within 30 days of planting.

Corn, sorghum and wheat may be rotated in less than 1 year from the last application. All other crops must be
planted at least 1 year after the last application.

SORGHUM AND WHEAT

Application Method: Preplant or At-Plant Row or Band Injection

Rate: 1 quart N-LOCK per acre

Specific Directions: N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Preplant or At-Plant Broadcast Application

Rate: 1 to 2 quarts N-LOCK®per acre

Specific Directions: The higher rate is preferred when fall applications are made to spring planted crops. N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

RESTRICTIONS:

- Do not apply more than 2 quarts N-LOCK® per acre per year.
- Make only 1 postplant application per year.
- Com, sorghum and wheat may be rotated in less than 1 year from the last application. All other crops must be
 planted at least 1 year after the last application.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Store in original container and keep tightly closed. Store above 28°F to keep product in solution. If stored below 24°F, crystals may form and settle to the bottom of the container. To re-dissolve the crystals, allow the contents to warm up to about 70°F and to stand for several days at that temperature. Once the crystals have dissolved, roll the container gently to get a uniform mixture of the

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contents.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent) the container and then offer it for recycling or reconditioning, or puncture and dispose of the container in a sanitary landfill, or by other procedures approved by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of

Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product

N-LOCK

Nitrogen Stabilizer

Use to control the nitrification process in the soil and delay nitrification of ammoniacal and urea nitrogen fertilizer compositions.

	loromethyl) pyridine		
INERT INGREDIENTS:			<u>76.0%</u> DTAL 100.0%
EPA Reg. No. 66222-xxx	Contains petroleum distillates Contains 2 pounds of active ingredients per gallon.	••••	EPA Est. No.
	Manufactured for: Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609		•••••
	Net Contents: Gallons		

KEEP OUT OF REACH OF CHILDREN WARNING-AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalie. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID
IF ON SKIN OR	Take off contaminated clothing.
CLOTHING:	 Rinse skin immediately with plenty of water for 15-20 minutes.
	Call a poison control center or doctor for treatment advice.
IF IN EYES:	 Hold eye open and rinse slowly and gently with water for 15-20 minutes.
	 Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
	Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	Immediately call a poison control center or doctor.
	 Do not induce vomiting unless told to do so by a poison control center or doctor.
	Do not give any liquid to the person.
	Do not give anything by mouth to an unconscious person.
IF INHALED:	Move person to fresh air.
	 If person is not breathing, call 911 or an ambulance, then give artificial
	respiration, preferably mouth-to-mouth if possible.
	Call a poison control center or doctor for further treatment advice.
Have the product of	container or label with you when calling a poison control center or doctor, or going for
treatment. You ma	y also contact Prosar at 1-877-250-9291 for 24-hour emergency medical help.
NOTO TO PHYSIC	CIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. Harmful if inhaled, swallowed or absorbed through skin. Causes moderate eye irritation so avoid contact with eyes. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals, therefore avoid contact with skin. Avoid contact with dothing. Avoid breathing vapor or spray mist.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of wastes.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- · Chemical-resistant gloves such as barrier laminate or Viton
- Shoes plus socks
- Protective eyewear

For more options of chemical-resistant materials than those listed above, follow the instructions for category G on an EPA chemical resistance selections chart.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove PPE clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon
 as possible, wash thoroughly and change into clean clothing.

PHYSICAL AND CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 24 hours.

Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, includes:

- Coveralls
- Chemical-resistant gloves such as barrier laminate or Viton
- Shoes plus socks
- Protective eyewear

GENERAL USE INFORMATION AND PRECAUTIONS

Nitrogen fertilizers are required in large quantities for optimum production of many crops including corn, sorghum and wheat. For economic and other reasons, it is very important to prevent the loss of this nitrogen through volatilization, leaching or denitrification. Denitrification is the biochemical reduction of nitrates, under saturated conditions, to nitrogen gases and accounts for the majority of the nitrogen lost in most soils. One way to reduce the conversion of ammonium nitrogen to nitrates is to control the Nitrosomonas bacteria which are required for this reaction to proceed. The use of a nitrification inhibitor like N-LOCK® delays the conversion of ammonium nitrogen to nitrate nitrogen for several weeks by controlling the activity of the soil bacteria.

N-LOCK® nitrogen stabilizer is not a substitute for fertilizer. It is an oil soluble product that may be used with urea fertilizers, anhydrous ammonia and dry ammonium in corn, sorghum and wheat. N-LOCK®, when mixed with a compatibility agent, may be used in the application of aqua ammonia, other liquid ammoniacal or urea nitrogen fertilizer compositions. When liquid or dry ammonium, urea fertilizers or animal wastes are surface applied, N-LOCK® may be mixed with water and a compatibility agent and applied during the incorporation operation.

Chemigation: Do not apply N-LOCK® through any type of irrigation system.

Corrosion Precaution: N-LOCK® is corrosive to aluminum and may affect the operation of pumping, mixing, and application equipment. To minimize corrosion of submerged aluminum parts, especially when N-LOCK® is mixed with anhydrous ammonia, replace all aluminum parts with parts constructed of mild steel or stainless steel materials. Side-mount or end-mount liquid level float gauges containing aluminum should be replaced with stainless and mild steel gauges. To further minimize corrosion of equipment and for maximum effectiveness, do not store anhydrous ammonia containing N-LOCK® longer than 3 weeks. Acme fitting gaskets should be replaced as needed with standard Buna-N or Buna-S gaskets. More resistant gasket materials such as Teflon may also be used.

Equipment CleanUp: To avoid damage to spray equipment, rinse application equipment used to apply liquid fertilizers and N-LOCK® with water after each application.

MIXING DIRECTIONS

Compatibility Agent: Some of the applications suggested for N-LOCK® require the use of a compatibility agent. Be sure to use a compatibility agent registered for agricultural use where required. Most phosphate ester types of compatibility agents are useful in these mixtures. Follow the label directions for the compatibility agent to determine rates and any use precautions.

Application with Liquid Manure

Apply 1 to 2 quarts N-LOCK® per acre when mixing with liquid animal manure. The 2 quart per acre rate is recommended for all fall applications with liquid animal manure. Be sure to premix N-LOCK® and a phosphate ester compatibility agent at a ratio of 1 part phosphate ester compatibility agent to 8 parts N-LOCK® before adding the N-LOCK® mixture to the liquid animal manure.

Application with Anhydrous Ammonia

N-LOCK® is soluble in liquid anhydrous ammonia. It may be pumped into the anhydrous tank through the liquid fill valve before, during, or after loading. Be sure to use properly calibrated pumping and metering systems to inject N-LOCK® into the tank. The mixture of ammonia containing N-LOCK® should then be applied to cropland using conventional ammonia application equipment. **Note:** Although a tank mixture of N-LOCK® with anhydrous ammonia is the preferred method of application, this mixture may also be applied through downstream injection systems.

Application with Liquid Fertilizers

N-LOCK® may be mixed with liquid fertilizers such as aqua ammonia or other liquid ammoniacal or urea nitrogen fertilizer compositions if a compatibility agent is used. Follow one of the following methods to create a stable emulsion with N-LOCK® in liquid fertilizer: (1)

Pre-mix the compatibility agent and N-LOCK® in a separate container and then under continuous agitation add the

Pre-mix the compatibility agent and N-LOCK® in a separate container and then under continuous agitation add the mixture to the liquid fertilizer; or, (2) add the compatibility agent to the fertilizer under continuous agitation and then add the required amount of N-LOCK® to the tank.

Application with Granular Ammonium and Urea

N-LOCK® may be impregnated on most dry ammoniacal fertilizers or fertilizer blends containing ammoniacal fertilizers. To insure optimum results, make a uniform application to the field and incorporate immediately.

Use a closed rotary drum mixer equipped with suitable spraying equipment for impregnating N-LOCK® on dry fertilizers. Be sure to position the spray nozzle inside the mixer to provide uniform spray coverage of the tumbling fertilizer. The rate of N-LOCK® is determined by the rate per acre specified in the crop section in this label. Do not add more than one quart N-LOCK® per 100 pounds of nitrogen fertilizer or add less than one quart N-LOCK® per 500 pounds of nitrogen fertilizer. At the higher concentrations of N-LOCK®, the fertilizer may not readily absorb all of the liquid. If this is the case, add an absorptive powder such as Micro-CelE separately and uniformly to the fertilizer blend following addition of N-LOCK®.

Always apply bulk fertilizers impregnated with N-LOCK® immediately and do not store. To prevent loss of N-LOCK® by volatilization, be sure that bulk containers are tightly covered while the products are being transported and applied. Incorporate all fertilizers impregnated with N-LOCK® immediately after application for optimal performance.

Note: All individual state regulations including those related to flammable liquid handling and to dry bulk blending registration, labeling and application are the responsibility of the individual and/or company selling N-LOCK® on fertilizer mixtures.

Precautions:

- Do not use N-LOCK[®] with dry fertilizers containing nitrate such as ammonium nitrate, potassium nitrate or calcium nitrate.
- Do not mix seed with dry fertilizers impregnated with N-LOCK[®].

TANK MIXING WITH HERBICIDES

On corn and sorghum, N-LOCK® may be applied in tank mixtures with some preplant incorporated herbicides. Check local crop recommendations to determine which preplant incorporated herbicides are registered for use on corn and sorghum. The mixtures may be in water, in most urea-ammonium nitrate solutions or in N-P-K solutions, slurries or suspensions. The physical compatibility of these tank mixtures should be determined before combining in the spray tank. See the section below on testing for tank mix compatibility.

Always maintain constant agitation during both mixing and application to ensure uniformity of the spray mixture. Read and carefully follow all applicable directions including dosage rates, restrictions, and precautions for the specified crops on labeling for the other products used in combination with N-LOCK®.

N-LOCK® may be tank mixed with herbicides in water or liquid fertilizers using the following mixing sequence:

- Fill the spray tank ½ full of water or liquid fertilizer.
- 2. Begin agitation.
- Add a compatibility aid, if needed. (If water slurried premixes of wettable powders or flowables are used as in Steps 4 and 5, a compatibility aid may be added to the premix for convenience).
- 4. Add wettable powder formulations to the tank (make the water slurry with wettable powders first).
- Add flowable formulations to the tank.
- Add emulsifiable concentrate formulation including N-LOCK® to the tank (pre mix 1:2 with water first if introduced to the tank through eductor systems.)
- 7. Add the balance of the water or liquid fertilizer and continue agitation until tank is empty.

Note: The compatibility of N-LOCK® with liquid fertilizers and/or herbicide mixtures may be determined by adding proportionate amounts of each ingredient to a small jar, shaking the capped jar, and then letting the

mixture stand for 15 minutes. If a precipitate forms or the mixture separates and these do not readily redisperse, an incompatible mixture is likely and it should not be applied.

CORN

Application Method: Preplant or At-Plant Row or Band Injection

Rate: 1 quart N-LOCK®per acre

Specific Directions: N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer

at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Preplant or At-Plant Broadcast Application

Rate: 1 to 2 quarts N-LOCK®per acre

Specific Directions: The higher rate is preferred when fall applications are made to spring planted crops. N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Postplant (Side Dress) Application
Rate: 0.5 to 1 quarts N-LOCK®per acre

Specific Directions: Make application any time after crop emergence but before 30 days post plant. N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Split Application

Rate: 0.5 to 1 quarts N-LOCK®per acre

Specific Directions: A second application may be made postplant following a preplant or at-plant application. The higher rate is recommended where nitrogen fertilization is geared to high yield production. N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

RESTRICTIONS:

Do not apply more than 2 quarts N-LOCK® per acre per year.

Make only 1 postplant application per year and make it within 30 days of planting.

Corn, sorghum and wheat may be rotated in less than 1 year from the last application. All other crops must be
planted at least 1 year after the last application.

SORGHUM AND WHEAT

Application Method: Preplant or At-Plant Row or Band Injection

Rate: 1 quart N-LOCK®per acre

Specific Directions: N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Application Method: Preplant or At-Plant Broadcast Application

Rate: 1 to 2 quarts N-LOCK®per acre

Specific Directions: The higher rate is preferred when fall applications are made to spring planted crops. N-LOCK® must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

RESTRICTIONS:

- Do not apply more than 2 quarts N-LOCK® per acre per year.
- Make only 1 postplant application per year.
- Corn, sorghum and wheat may be rotated in less than 1 year from the last application. All other crops must be
 planted at least 1 year after the last application.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Store in original container and keep tightly closed. Store above 28°F to keep product in solution. If stored below 24°F, crystals may form and settle to the bottom of the container. To re-dissolve the crystals, allow the contents to warm up to about 70°F and to stand for several days at that temperature. Once the crystals have dissolved, roll the container gently to get a uniform mixture of the

contents.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent) the container and then offer it for recycling or reconditioning, or puncture and dispose of the container in a sanitary landfill, or by other procedures approved by state and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of

iability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at

Makhteshim Agan of North America, Inc.'s election, the replacement of product.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

28/FEB/2008

MEMORANDUM

Subject:

Name of Pesticide Product: N-Lock Nitrogen Stabilizer

EPA Reg. No. /File Symbol: 66222-RAG

DP Barcode:

348573

Decision No.:

386212

PC Codes:

069203

Action Code:

R301

From:

Masih Hashim, Toxicologist

Technical Review Branch

Registration Division (7505P)

To:

Tracy White, RM Team 23

Herbicide Branch

Registration Division (7505P)

Applicant:

Makhteshim-Agan of North America, INC

FORMULATION FROM LABEL:

Active Ingredient(s):

% by wt.

Nitrapyrin

Inert Ingredient(s):

77.8

Total:

Byon T. B. h.s MARCH -3-2008

100.0

ACTION REQUESTED: The Risk Manager requests a similarity action for the cited and the proposed products: EPA Registration #62719-20 and File Symbol #66222-RAG.

RECOMMENDATIONS: The cited and the proposed products are substantially similar in toxicity. TRB has no objection to bridging data between them. The CSF for the proposed product has been approved by Product Chemistry.

The Signal Word is WARNING.

This memorandum pertains only to the decision concerning whether the subject product is substantially similar to the cited product from an acute toxicological view point. For the purposes of this action, TRB has made no determinations of the adequacy of the toxicological data base or the precautionary label of the cited product.

DP BARCODE No.: D348561 File Symbol No.: 66222-RAG PRODUCT NAME: N-Lock

Nitrogen Stabilizer

DATE OUT: 28/ FEB / 2008

SUBJECT: FEE.PRODUCT CHEMISTRY REVIEW OF MP [] EP [X]

DP BARCODE No.: <u>D348561</u> File Symbol No.: <u>66222-RAG</u>

PRODUCT NAME: N-Lock Nitrogen Stabilizer
COMPANY: Makhteshim-Agan of North America Inc.
FOOD USE [] INTEGRATED FORMULATIO

FOOD USE [] INTEGRATED FORMULATION [] PCC: 069203; Decision No. 386212; Action Code: R301

FROM:

Shyam B. Mathur

Product Chemistry Team Leader

Technical Review Branch / RD (7505P)

TO:

Tracy White / Joanne Miller, RM 23

Herbicide Branch / RD (7505P)

INTRODUCTION:

The registrant has submitted product chemistry data in support of the registration application for the proposed end-use product. The registrant has submitted the product chemistry data corresponding to group A & group B under MRID Nos. 472787-01 and 472787-02. The registrant has originally submitted a CSF for basic formulation (dated 01-15-08) along with the product label. During the review process it was determined that the CSF has not been filled out correctly and need to be revised. The reviewer contacted the registrant (Dr. Robert Everich) and pointed out the deficiency in the CSF. The registrant agreed to correct the CSF and submitted the revised basic CSF (dated 02-27-08) on February 27, 2008 as recommended. The registrant has claimed that the proposed product is substantially similar to the registered product with Reg. 62719-21. The TRB has been asked to evaluate product chemistry data submitted and determine acceptability of the proposed basic CSF and its similarity to the registered product.

SUMMARY OF FINDINGS

- 1. The proposed end use product contains ______, containing _____, containing _____, 2-chloro-6-trichloromethylpyridine] as the active ingredient with product label claim of 24.0%.
- 2. The revised CSF of basic formulation (dated 02-27-08) is filled out correctly & completely. The nominal concentration of the active ingredient concurs with the product label claim nominal concentration [Note: the registrant agreed to revise the product label to correct the nominal concentration of the AI from 22.2% to 24.0%]. The revised CSF for basic formulation is in compliance with PR Notice 91-2 (when the product label is revised). All the inert ingredients present in the formulation are approved by the Agency The certified limits for the AI and inert ingredients are in compliance with standard certified limit table set forth in 40CFR§158.350(b)(2). The data submitted corresponding to guidelines 830.1550 (product identity & composition) and 830.1750 (certified limits) satisfy the product chemistry data requirements of 40CFR§158.320 & 158.350 respectively [MRID No. 472787-01].
- 3. The data submitted corresponding to guideline 830.1600 (description of materials used to produce the product), 830.1650 (description of formulation process), and 830.1670 (discussion on the formation of impurity) satisfy the data requirements of 40CFR §158.325, §158.335, & §158.340 respectively [MRID No. 472787-01].

DP BARCODE No.: <u>D348561</u> File Symbol No.: <u>66222-RAG</u> PRODUCT NAME: <u>N-Lock</u> Nitrogen Stabilizer

- 4. The data submitted corresponding to guideline 830.1800 (enforcement analytical method) satisfy the data requirements of 40CFR§158.355. A validated GC-FID with external standard method was used for the determination of the active ingredient in the proposed end use product. The gas chromatography method employed a DB-5MS, 30 mm x 0.25 mm x 0.25 μ m, column with flame ionization detector [MRID No. 472787-01].
- 5. The data submitted corresponding to guideline 830 series subgroup B (physical-chemical properties) satisfy the data requirements of 40CFR158.310 (e). The registrant has submitted data corresponding to guidelines 830.6302 (color), 830.6303 (physical state), 830.6304 (odor), 830.6314 (oxidation/reduction), 830.6315 (flammability), 830.7000 (pH), 830.7100 (viscosity), and 830.7300 (density). No data was submitted for the guidelines 830.6317 (one year storage stability) and 830.6320 (corrosion characteristics) [MRID No. 472787-02].

CONCLUSIONS:

The TRB has reviewed the product chemistry data submitted for the proposed end use product and has concluded that:

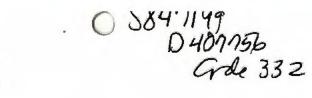
- 1. The product chemistry data submitted for the guidelines 830 series group A & group B are acceptable, except for the guidelines 830.6317 (one year storage stability) and 830.6320 (corrosion characteristics).
- 2. The proposed revised CSF for basic formulation (dated 02-27-08) is acceptable.
- 3. The registrant must conduct the studies corresponding to one year storage stability (830.6317) and corrosion characteristics (830.6320) studies. It is recommended that the observations must be made at 0, 3, 6, 9, and 12 month intervals. The results must be submitted to the Agency on completion.
- 4. The proposed end use product with File Symbol No. 66222-RGN was determined to be substantially similar to the registered product with Reg. No. 62719-20 from the product chemistry point of view. The chemical composition and the physical-chemical properties of the two products are very similar. There is slight variation in the pH values of the two products (4.13 vs 6.3 for the proposed & cited products respectively).
- 5. The registrant is advised to revise the product label by changing the product label nominal concentration from 22.2% to 24.0%, so that it concurs with the nominal concentration of 24% in the revised CSF of basic formulation (dated 02-27-08).

PRODUCT CHEMISTRY DATA (Series 830 group A & group B)

Subgroup A	Data Required Fulfilled	MRID No.
830.1550. Chemical Identity (revised basic CSF)	A	02-27-08
830.1600. Beginning Materials	A	472787-01
830.1650. Formulation Process	A	472787-01
830.1670. Discussion of Impurities	Α	472787-01
830.1700. Preliminary Analysis	NA	
830.1750. Certified Limits (revised basic CSF)	A	02-27-08
830.1800. Enforcement Analytical Method	A	472787-01

Subgroup B	<u>Data Required</u> <u>Fulfilled</u>	Value or Qualitat. Descrip.	MRID No.
830,6302. Color	A	Colorless	472787-02
830.6303. Physical State	A	Clear liquid	472787-02
830.6304. Odor	A	Pungent odor	472787-02
830.8314, Oxidation/Reduction Action	A	Compatible with water, 10% MAP, Fe powder, and kerosene but incompatible with 10% KMnO ₄	472787-02
830.6315. Flammability	A	45.5°C (113.9°F)	472787-02
830.6316. Explodability	NA	1 111 111	
830.6317. Storage stability	G		
830.6319. Miscibility	NA	1.0	
830.6320. Corrosion Characteristics	G		
830.6321. Dielectric Breakdown Voltage	NA.		
830.7000. pH	A	4.13	472787-02
830,7100. Viscosity 20°C 40°C	A	1.171 cts 0.886 cts	472787-02
830.7000. Density/Bulk Density	A	0.982 g/ml (20°C)	472787-02

Explanations: A = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable; G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.







March 6, 2009

CSF -AU

Document Processing Desk (NOTIF) Office of Pesticide Programs (7504P) USEPA Ariel Ríos Building 1200 Pennsylvania Ave., NW Washington, DC 20460

Attn: Sherada Hobgood

Phone: 703-308-8893

Re: Submission of ALT CSF for:

N-LOCK™ Nitrogen Stabilizer- EPA Reg. No. 66222-163

Dear Ms. Hobgood:

Makhteshim Agan of North America, Inc. is submitting a notification for an alternate CSF for the product listed above. We are <u>updating</u> the previously approved alternate CSF (Notification dated 5-22-08) with <u>an additional EPA</u> registered establishment facility.

In support of this submission, the following documents are attached:

Application for Pesticide Registration (8570-1)

Confidential Statement of Formula (8570-4)(2 copies)(dated 3-6-09)

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 USC Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

Should you have questions about this notification, please contact me at 901-861-4400 or email at janer@manainc.com.

All the second of the second o

Sincerely,

Jane Rothwell

Registration Specialist

Enclosures

Ficase read instructions on reverse before completing form Form Approved. OMB No. 2070-0060. Approvel expires 2-28-95 OPP Identifier Number Registration **United States Environmental Protection Agency** Amendment Weshington, DC 20460 Other Application for Pesticide - Section I 1. Company/Product Number 2. EPA Product Menager 3. Proposed Classification 66222-163 Sherada Hobgood None Restricted PM# 23 4. Company/Product (Name) N-Lock (TM) Nitrogen Stabilizer 5. Name and Address of Applicant (Include ZIP Code) 6. Expedited Reveiw. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling Makhteshim Agan of North America, Inc., 4515 Falls of Neuse Rd., Suite 300 EPA Reg. No. Raleigh, NC 27609 Check if this is a new address **Product Name** Section - II Amendment - Explein below. Final printed labels in repsonse to Agency letter dated NOTIFICATION Resubmission in response to Agency letter dated ___ "Me Too" Application. MAY 1 3 2011 Other - Explain below. Notification - Explain below, Explanation: Use edditional page(s) if necessary. (For section I and Section II.) Notification of ALT CSF. Addition of an EPA registered establishment formulation facility. Section - III 1. Material This Product Will Be Peckaged In: Child-Resistant Packaging Unit Peckeging Water Soluble Packaging 2. Type of Container Metal Yes Yes Yes Plastic No No No Gises Paper If "Yes" If "Yes" No. per No. per Certification must Unit Packaging wgt. Peckage wat Other (Specify) be submitted 3. Location of Net Contents Information 5. Location of Label Directions 4. Size(s) Retail Container Lebel Container 6. Manner in Which Label is Affixed to Product Lithograph Other Paper glued Stenciled Section - IV 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this explication.) Telephone No. (Include Area Code) Jane Rothwell Registration Specialist 901-861-4400* 6. Date Application Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. Received l acknowledge that any knowlinglly false or misleading statement may be punishable by fine or imprisonment δε ·(Stamped) both under applicable law.

3. Title

5. Date

Registration Specialist

3-6-09

2. Signature

4. Typed Name

Jane Rothwell



September 22, 2008

Document Processing Desk (NOTIF) Registration Division (7504P) OPP, USEPA Ariel Rios Building 1200 Pennsylvania Ave, NW Washington DC 20460

Re:

N-LOCK™; EPA Reg. No. 66222-163

Notification per PRN 2007-4

To Whom It May Concern:

We are notifying the Agency of a label update as allowed in PR Notice 2007-4. The change is summarized below:

Updated container disposal instructions per PRN 2007-4

In support of this submission, the following documents are attached:

- Application for Pesticide Registration (EPA Form 8570-1)
- · One copy of final printed labeling

with Attituork

Please contact me at 919-256-9342 or by email at chitchcock@manainc.com if you have any questions regarding this submission or would like a copy of the annotated label showing the changes for your files.

Sincerely,

Christie Hitchcock

Regulatory Specialist

Enclosures

4515 Falls of Neuse Road, Suite 300, Raleigh NC 27609 T: 919.256.9305 → F: 919.256.9308

Please read instructions o	n reverse before comple	ntin m.		Form Approx	red. ON: No.	2070-006	O. Approvel expires 2-28	
\$EPA	Environmenta	United States I Protection Ington, DC 20		V	Registr Amend Other		OPP Identifier Number	
		Application	on for Pestici	de - Sectio	n I	-	1	
1. Company/Product Num 66222-163	ber			Product Manage Arrington	r	3. Pr	oposed Classification	
4. Company/Product (Name) N-LOCK™ Nitrogen Stabilizer			PM# Registration Support Branch					
5. Name and Address of A Makhteshim Agan of 4515 Falls of Neuse Raleigh, NC 27609	of North America, I		(b)(i), in to: EPA F		imilar or ider	ntical in co		
		-	Section - I		NC	TAOH	LON	
Notification - Explainment Notification of label change at 40 CFR §§156.10, 156, this product. I understand	ional page(s) if necessar e per PR Notice 2007-4. T 140, 156.144, 156.146, au that it is a violation of 18 t the requirements of 40 C	ry. (For section this notification and 156.156. No U.S.C. Sec. 100:FR §§156.10.	is consistent with the other changes have 11 to willfully make at 156,140, 156,144, 15	been made to the sy false statemer 6.146, and 156.1	Notice 2007-4 e labeling or th	e Confident ther unders	ments of EPA's regulations ial Statement of Formula for tand that if the amended violation of FIFRA and I ma	
1. Material This Product V	VIII Be Packaged In:							
Child-Resistant Packaging Yea No Certification must be submitted	A U. W. day - E. Color	No. per . container	Water Soluble P Yes No If "Yes" Package wgt	No. per container	2. Type o	Metal Plestic Glass Paper Other (S		
3. Location of Net Content	ts Information	4. Size(s) Re	tail Container	5.	Location of La	bel Directio) Dhs	
8. Manner in Which Label	Container is Affixed to Product	[]Lithop	or less; more than		on labe Self-adhesive		·	
		Stenc	Section - I	,				
1. Contact Point (Comple	te items directly below t	for identification			ecessary, to n	rocess this	application.)	
Name Christie Hitchcock			Title Regulatory Speci	Telephone No. (Include			e No. (Include Area Code)	
I acknowledge that	tements I have made on any knowlingliy false or e law.	Certifica this form and mislanding sta	all attachments the	reto are true, ac ishable by fine (ccurate and co or imprisonmen	emplete.	8. Date Application Reserved (Stamped)	
2. Signature Christia Halthook		3. Title Regulatory Special	st			····		

09-22-08

5. Date

Christie Hitchcock

Pages 40-50 - *Inert ingredient information may be entitled to confidential treatmer	nt*
•	40



Makhteshim Agan of North America, Inc.

May 22, 2008

Document Processing Desk (NOTIF)
Registration Division (7504P)
Office of Pesticide Programs
U.S. Environmental Protection Agency
Ariel Rios Building
1200 Pennsylvania Ave, NW
Washington DC 20460

ATTN: Ms. Sherada Hobgood

Phone: 703-308-8893

Re: Notification - submission of alternate CSF for:

N-Lock Nitrogen Stabilizer (EPA Reg. No. 66222-163)

Dear Ms. Hobgood:

Makhteshim Agan of North America, Inc. is submitting a notification to submit an alternate CSF for the product listed above. We are updating the CSF to add an additional EPA registered establishment formulation facility and to add another registered source of active ingredient.

Please note that the alternate source of active contains a slightly higher percentage of pure active ingredient, therefore we have adjusted the concentration in the formulation accordingly. Please note also that the basic CSF is based on a total formulation weight of and the alternate CSF is based on a total formulation weight of

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential stetement of formula of this product. I understend that it is a violation of 18 U.S.C. Sec. 1001 to willfully make false statements to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

In support of this submission, the following documents are attached for each product referenced:

- Application for Pesticide Registration (EPA form 8570-1)
- One copy of currently approved BASIC CSF dated 2-27-08
- Two copies of Alternate CSF (dated 5-22-08)
- Formulator's Exemption (EPA form 8570-27)

Please contact me at (919) 256-9323 or by email at lipruett@manainc.com should you have any questions.

Sincarely

Leanne Pruett

Regulatory Product Manager

Makhteshim Agan of North America, Inc.

Encl.

Form Approved.	OMB No.	2070-0060.	Approve	expires 2-28-9
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United States

	Registration Amendment Other
	Amendment
/	Other

OPP Identifier Number

SEPA	Environmental Protect Washington, DC 2		✓ Amendme	nt			
	Applica	tion for Pesticide - Sec	ction I				
1. Company/Product Number 66222-163	Te.	2. EPA Product Me Sherada Hobgo		3. Proposed Classification None Restricted			
Company/Product (Name N-Lock Nitrogen Stabil		PM# 23 (Joanne Mille	23 (Joanne Miller)				
5. Name and Address of Ap Makhteshim Agan of 4515 Falls of Neuse Raleigh, NC 27609	North America, Inc.		t is similar or identical	with FIFRA Section 3(c)(3) in composition and labeling			
-		Section - II					
Amendment - Explain Resubmission in resp	ponse to Agency letter deted	Agency le "Me Too"	ted labels in repsonse to atter dated Application.				
NOTIFICATION OF UPDAT This notification is consisten labeling or the confidential st EPA. I further understand the	inel page(s) if necessary. (For sectific DBASIC CSF to add additional EP in with the provisions of PR Notice 98 statement of formula for this product, nat if this notification is not consistent to enforcement action and penalties	PA established formulation facility, a 3-10 and EPA regulations at 40CFR I understand that it is a violation of with the terms of PR Notice 98-10 s under Sections 12 and 14 of FIFR	R 152.46, and no other cha f 18 USC Sec. 1001 to will l and 40 CFR 152.46, this j	anges have been made to the fully make any false statement to			
		Section - III					
1. Material This Product Will Child-Resistant Peckaging Yes No * Cartification must be submitted	Unit Packaging Yes No If "Yes" Unit Packaging wgt. No. per	Water Soluble Packaging Yes No No No. per Peckage wgt contain	r Pi	ntainer fetal lastic lass sper ther (Specify)			
3. Lecation of Net Contents	Information 4. Size(s) F	Retail Container	5. Location of Label D	lirections			
6. Manner in Which Label is		nogreph Oth per glued notifed	NOT				
		Section - IV	7. 1				
1. Contact Point (Complete	e items directly below for identifice	tion of individual to be contacted	d, if necessary, to proces	s this application.)			
Name P. Leanne Pruett		Title Regulatory Product Manage	Telephone No.*(Include Area Code) ulatory Product Manager 919-256-9323				
	Certification of the control of the	and all attachments thereto are tr	fine or imprisonment or	(Stamped)			
T/X	earne Pot	Regulatory Product Manager	11111				
4. Typed Name P. Leanne Pruett		5-22-08		•••••			



United States Environmental Protection Agency Washington, DC 20460

Formulator's Exemption Statement

(40 CFR 152.85)

Applicant's Name and Address

Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

EPA File Symbol/Registration Number 66222-163

Product Name

N-Lock Nitrogen Stabilizer

Date of Confidential Statement of Formula (EPA Form 8570-4)

05/22/2008

As an authorized representative of the applicant for registration of the product identified above, I certify that:

(1) This product contains the following active ingredient(s):

Nitrapyrin (CAS No. 1929-82-4)

- (2) Of these, each active ingredient listed in paragraph (4) is present solely as the result of the use of that active ingredient in the manufacturing, formulation or repackaging another product which contains that active ingredient which is registered under FIFRA Section 3, is purchased by us from another person and meets the requirements of 40 CFR section 158.50(e)(2) or (3).
- (3) Indicate by checking (A) or (B) below which paregraph applies:
- (A) An accurate Confidential Statement of Formula (EPA FORM 8570-4) for the above identified product is attached to this statement.

 That formula statement indicates, by company name, registration number, and product name, the source of the active ingredient(s) listed in paragraph (1).

OR

- (B) The Confidential Statement of Formula (CSF)(EPA Form 8570-4) referenced above and on file with the EPA is complete, current, an accurate and contains the information required on the current CSF.
- (4) The following active ingredients in this product qualify for the formulator's exemption.

	Source	
Active Ingredient	Product Name	Registration Number
Nitrapyrin		

Signature Pause Tut	Name and Title P. Leanne Pruett	Date 05/22/2008
EPA Form 851007 (Rev. 06-2004)	Regulatory Product Ma	anager Copy 1 - EPA Copy 2 Applicant copy



Makhteshim Agan of North America, Inc.

March 4, 2008

Office of Pesticide Programs (7504P) USEPA One Potomac Yard 2777 S. Crystal Drive, Room S-4900 Arlington, VA 22202

Attn: Tracy White

Registration Division Phone: 703-308-0042

Re: Submission of hard copies of documents sent via email N-Lock Nitrogen Stabilizer, EPA File Symbol 66222-RAG

Dear Mr. White:

Makhteshim Agan of North America, Inc. is submitting hard copies of correspondence previously sent via e mail to support the registration of N-Lock Nitrogen Stabilizer, EPA File Symbol 66222-RAG.

In support of this submission, the following documents are attached:

Application for Pesticide Registration (8570-1)

- Revised Confidential Statement of Formula (8570-4)(2 copies)(dated 2-27-08)
- Five copies of revised label

Should you have questions about this application, please contact me at 901-861-4400 or email at janer@manainc.com,

Sincerely.

Jane Rothwell

Registration Specialist

Enclosures

Please read instructions	on reverse before completing form.	Form A	Approved. OMB No. 2070	0-0060. Approvel expires 2-28-9			
Environmental Protection Agency Washington, DC 20460			Registratio Amendmen	OPP Identifier Number			
	Applica	tion for Pesticide - Se	ction I				
1. Company/Product Num 66222-RAG	nber	2. EPA Product M Tracy White	2. EPA Product Menager Tracy White 3. Proposed Classification Restrict				
4. Company/Product (Na N-Lock (TM) Nitroge		PM# 23	PM#				
Makhteshim Agan 4515 Falls of Neus Raleigh, NC 27609		6. Expedited Re(b)(i), my producto: EPA Reg. No. Product Name	t is similar or identical	with FIFRA Section 3(c)(3) in composition and labeling			
		Section - II					
Notification - Expl	esponse to Agency letter dated ain below. tional page(s) if necessary. (For sec s of documents previously sent via en	↑ Me Too' ✓ Other - E.	etter dated "Application. explain below. oduct referenced.				
		Section - III					
1. Material This Product	Will Be Packaged In:	OCCUOII - III					
Child-Resistent Packaging Yes No Certification must be submitted	Unit Packaging Yes No	Water Soluble Packaging Yes No If "Yes" No. pe Package wgt contain	Pte Gli	teiner etal estic ees per per her (Specify)			
3. Location of Net Conter	te Information 4. Size(s) Container	Retail Container	5. Location of Label Di	rections			
6. Manner in Which Labe	is Affixed to Product	hogreph Oth	ner				
		Section - IV					
1. Contact Point (Comple	ete items directly below for identific	ation of individual to be contacted	d, if necessary, to process	s this application.)			
Name Jane Rothwell		Title Registration Specialist		phone No. (Include Ares Code) -861-4490			

both under applicable law.

3. Title

Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or

Registration Specialist

6. Date Application

(Stamped)

Received

4. Typed Name Jane Rothwell

2. Signature

5. Date

3-4-08



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND FOXIC SUBSTANCES

8 January 2008

EPA File Symbol or Registration Number: 66222-RAG Product Name; N-LOCK NITROGEN STABILIZER

EPA Receipt Date: 13-Nov-2007 EPA Company Number: 66222

Company Name: MAKHTESHIM-AGAN OF NORTH AMERICA INC

EPHI GUR MAKHTESHIM-AGAN OF NORTH AMERICA INC 4515 FALLS OF NEUSE RD, SUITE 300 RALEIGH, NC 27609

Dear Registrant:

The Agency has conducted a preliminary review of your Pesticide Registration Improvement Renewal Act (PRIA 2) application for file symbol or registration number 66222-RAG. The proposed product contains an inert ingredient that has not been approved for use in a pesticide formulation. You will need to contact your inert supplier(s) to provide EPA with the necessary information on the inert or you may alternatively substitute another approved inert in your formulation. A copy of the Inert Clearance Status Form is enclosed for your reference. Please review any comments on the form for more information.

Pursuant to 40 CFR Section 152.105, you have 75 days to address the deficiencies or notify the Agency when the information will be submitted to address the deficiencies. If you do not respond within 75 days of the date of this letter, the Agency will treat your application as if it has been withdrawn. Once the application has been withdrawn, any subsequent submission relating to this action must be submitted as a new application.

If you have any questions concerning this letter, please contact Erik Kraft, Acting Product Manager 23 at (703) 308-9358.

Sincerely,

Linda Arrington

PRIA Ombudsman

Registration Division

Hollomen

Inert ingredient information may be entitled to confidential treatment

INERT CLEARANCE STATUS FORM

,	MAIL CODE: 7505P					
	,					
	,	1				
de: [x]] Yes	[]No	Ö			
66	n(s)i	N.E.N				
	4	950	90			
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de	[x	[x] Yes	[x] Yes []N			

Language from the Code of Federal Regulations (40 CFR 180, subpart D):

66222-RAG

^{40 &}lt;u>CFR</u> 180.910: Inert ingredients used pre- and post-harvest; 40 <u>CFR</u> 180.920: Inert ingredients used pre-harvest; 40 <u>CFR</u> 180.930: Inert ingredients applied to animals; 40 <u>CFR</u> 180.940: Tolerance exemptions for active and inert ingredients for use in antimicrobial formulations; 40 <u>CFR</u> 180.950: Tolerance exemptions for minimal risk active and inert ingredients; and 40 <u>CFR</u> 180.960: Polymers.

ISB'S Front-end PRIA Completeness Screen Draft 3; 10/25/07

EPA	Receipt Date: NOV 1 3 2007 EPA Reg. Number: @	622	22 -	-PAC
	Check List Item	Yes	No	N/A
1	Has the PRIA Fee been Paid; is a copy of the check or Pay.gov receipt included in the Submission Package?	X		
2	Is an Application Form (EPA Form 8570-1) Included in the Submission Package, is it completely filled out and signed including package type?	X		
3	Is a Confidential Statement of Formula (EPA Form 8570-29) Included in the Submission Package, is it completely filled out and signed (boxes 1-21)?	X		
4	Is a Formulator's Exemption Statement (EPA Form 8570-27) Included in the Submission Package?	X		
5	Is a Certification with Respect to Citation of Data (EPA Form 8570-34) Included in the Submission Package?	X		
6	Is a Data Matrix (EPA Form 8570-35) Included in the Submission Package?	X		
7	Is a Label Included in the Submission Package?	X		
8	Are Data Included in the Submission Package?	X		
9	Is the Submission an Amendment?		X	

PRI 21 Day Content Screening	ecklist
Experts In-Processing Signature Dollary U. 11/19/07	124107
Experts In-Processing Signature Allow U. 11 18 0 1000	Fee Paid: Yes V No_

EPA	Reg. Number:	A Receipt Date:			
10	Check List Item		Yes	No	NA
1	Application Form (EPA Form 8570-1) -signed & complete including package type?				
2	Confidential Statement of Formula (EPA Form 8570-29)			,	
	a) Is the CSF completely filled out (Box 100%	es 1-21)? Does it add up to	2		
	b) After the inerts list is on the web, are and non food proposed uses?	all inerts cleared for food		V	
	c) CAS # provided?		V		
3	Certification with Respect to Citation of D [Applicable, if submission is not a 100% rep				
4	Formulator's Exemption Statement (EPA	Form 8570-27)?	1/		
	a) Formulator's Exemption Statement vergistrant owns/formulates the source product formulation,	was not addressed because e of active ingredient in		1	
	b) if so, was a generic data matrix inclu	ided?		8000	1/
5	Data Matrix (EPA Form 8570-35) [Applica 100% repack]			- GE	
	a) Selective Method?		V		
	 b) Cite-All Method? Applicant owns de offered to pay 	ata or list only the companies			
	c) Public copy of Matrix provided? Se	e PR Notice 98-5	0		
6	Is Label Included? (5 copies)		V		
7	Letter of Authorization for exclusive use o	only?			
8	Required Data and or data waivers submi		V		
	a) Which study(s) is missing? List ther	n below			
9	CRP Certification Statement				レ
10	86-5 Rejection List?				V
11	Notice of Filing included with petitions?				
	Comments:				
	-Uncleared In	eet			

November 26, 2007



Document Processing Desk Office of Pesticide Programs (7504P) U.S. Environmental Protection Agency One Potomac Yard 2777 S. Crystal Drive Arlington, VA 22202

Attention: Kathryn V. Montague (7505P)

MAKHTESHIM-AGAN SECTION 3 APPLICATIONS TO REGISTER PRODUCTS CONTAINING "NITRAPYRIN"

Dear Ms. Montague:

It has recently come to our attention that Makhteshim-Agan of North America, inc. (MANA) has submitted to EPA FIFRA Section 3 registration applications for a technical and an enduse product both containing the active ingredient "nitrapyrin."

Dow AgroSciences (DAS) is the sole U.S. registrant and supplier of nitrapyrin containing products. Accordingly and to prevent any confusion, DAS desires to go on record with and advise the Agency of the fact that MANA has not entered into and does not have any supply agreement or arrangement, direct or indirect, with DAS for nitrapyrin. Accordingly, MANA should not have any basis to claim "formulator's exemption" in support of or in connection with its applications to register these nitrapyrin products.

By way of reference, Dow AgroSciences' products containing the active ingredient nitrapyrin are: N-SERVE TG, EPA Reg. No. 62719-21, and N-SERVE 24, EPA Reg. No. 62719-20.

If you have any questions or desire any additional information, please do not hesitate to contact me. Thank you for your attention to this matter.

Sincerely.

Kenneth D. Racke, Ph.D.

Regulatory Sciences and Government Affairs

(317) 337-4654

cc: Dan Kenny, OPP/RD Herbicide Branch Chief (7505P)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

November 19, 2007

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

PLEASE RETURN A COPY OF THIS LETTER WITH PAYMENT Or Pay On-Line at www.Pay.Gov

OPP Decision Number: D-386212

EPA File Symbol or Registration Number: 66222-RAG Product Name: N-LOCK NITROGEN STABILIZER

EPA Receipt Date: 13-Nov-2007 EPA Company Number: 66222

Company Name: MAKHTESHIM-AGAN OF NORTH AMERICA INC

EPHI GUR MAKHTESHIM-AGAN OF NORTH AMERICA INC 4515 FALLS OF NEUSE RD, SUITE 300 RALEIGH, NC 27609-

SUBJECT: Receipt of Application Subject to Registration Service Fee - Fast Track

Dear Registrant:

The Office of Pesticide Programs has received your application for registration. If you submitted data with this application, the results of the PRN-86-5 screen will be communicated separately. During the administrative screen, the Office of Pesticide Programs has determined that this Action is subject to a Pesticide Registration Service Fee as defined in the Pesticide Registration Improvement Act.

The Action has been identified as Action Code: R301

NEW PRODUCT; IDENTICAL OR SUBSTANTIALLY SIMILAR IN COMPOSITION AND USE TO A REGISTERED PRODUCT; REGISTERED SOURCE OF ACTIVE INGREDIENT; SELECTIVE DATA CITATION ONLY FOR DATA ON PRODUCT CHEMISTRY / ACUTE TOXICITY / PUBLIC HEALTH PEST EFFICACY, WHERE APPLICANT DOES NOT OWN ALL REQUIRED DATA NOR HAS AUTHORIZATION LETTER FROM DATA OWNER;

Within 30 days, please remit payment in the amount of: \$ 260 (1,560 - 1,300 you have already paid.) to the address below.

If you do not submit payment within 30 days of the date of this letter, the Agency will reject your application pursuant to Section 3(c)(3)(B) of FIFRA. Any subsequent submission relating to this

action must be submitted as a new application.

By USPS:

USEPA Washington Finance Center Pesticide Registration Service Fee PO Box 979074 St. Louis, MO 63197-9000

By Courier:

U.S. Bank Government Lockbox 979074 1005 Convention Plaza SL-MO-C2-GL St. Louis, MO 63197 Telephone: (412) 236-2294

All payments must be in United States currency by check, bank draft, or money order drawn to the order of the Environmental Protection Agency. To ensure proper credit, please write the OPP DECISION NUMBER on your check, and enclose a copy of this letter with your payment.

You may be eligible for a partial waiver of the registration service fee if, for example, you qualify as a small business or are applying for a minor use, or if your application is solely associated with an IR-4 tolerance petition. Please be advised that if you intend to request a waiver, you must do so in writing within 15 days of receipt of this invoice instead of remitting the amount indicated above. OPP will not consider waiver requests after the registration service fee has been paid. Information regarding eligibility and how th request and document a fee waiver is available on the OPP Fee for Service web site at www.epa.gov/pesticides/fees.

Please send Registration Service Fee Waiver requests to:

By USPS:

Document Processing Desk (WAIVER)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

By Courier:

Document Processing Desk (WAIVER)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S, Crystal Drive.
Arlington, VA 22202

A PRIA decision time review period will not start until a fee waiver is granted and/or the Agency receives certification that the outstanding fee has been paid. If the Agency does not receive certification of payment for this action or a fee waiver request within the next 45 days, the Agency will presume that you no longer want to pursue this action. The Agency will then initiate a process that may result in administrative withdrawal of this action.

If you have any questions, please contact the Pesticide Registration Service Fee Ombudsman at (703) 305-6249.

Sincerely,

Front End Processing Staff

Information Technology & Resources Management Division

Fee for Service

{819853D~

This package includes the following	for Division
New Registration Amendment	○ AD ○ BPPD
	RD
Studies? Fee Waiver?volpay % Reduction:	Risk Mgr. 23
Receipt No. S-	819853
EPA File Symbol/Reg. No.	66222-RAG
Pin-Punch Date:	11/13/2007
☐ This item is NOT subject to	FFS action.
Action Code:	Parent/Child Decisions:
Requested: R-300	
Granted: R-301	
Amount Due: \$ 1560.00	,
merts mot cleared. See snort clearance st	uncleared Inert in Product B.O.
Reviewer: Venus Guefle	Date: "/15/07
Decrease	authorization letter from
duta aoner.	

Online Payment -

Online Payment

Step 3: Confirm Payment

3

Thank you.

Your transaction has been successfully completed.

Pay.gov Tracking Information

Application Name: PRIA Service Fees Pay.gov Tracking ID: 24UE0UQR Agency Tracking ID: 74035788636

Transaction Date and Time: 11/09/2007 16:08 EST

Payment Summary

Address Information

Account Holder Name: Anne Stout PRIA

4515 Falls of Billing Address: Neuse Rd.

Billing Address Sulte 300

City: Raleigh State / Province: NC

Zip / Postal 27609 Code:

Country: USA

Account Information

American Card Type: Express

Card Number: ******1002

Expiration Date: 4 / 2012

Decision Number:

Registration 66222-xxx

Payment Information

Payment Amount: \$1,300.00 Transaction Date 11/09/2007 and Time; 16:08 EST

Do you want to create | a new plastic card?

Jane Rothwell

From: Sent: paygovadmin@mail.doc.twai.gov Friday, November 09, 2007 3:09 PM

To:

Jane Rothwell

Subject:

Pay.Gov Payment Confirmation

THIS IS AN AUTOMATED MESSAGE. PLEASE DO NOT REPLY.

Your transaction has been successfully completed.

Payment Summary

Application Name: PRIA Service Fees

Pay.gov Tracking ID: 24UEOUQR

Payment Agency Tracking ID: 74035788636

Cardholder Name: Anne Stout PRIA

Cardholder Address: 4515 Falls of Neuse Rd.

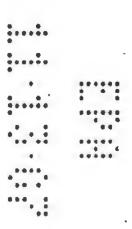
Suite 300

Cardholder City: Raleigh Cardholder State: NC Cardholder Country: USA Cardholder Zip Code: 27609 Card Type: American Express Payment Amount: \$1,300.00

Transaction Date: Nov 9, 2007 4:08:26 PM

Decision Number:

Registration Number: 66222-xxx





Makhteshim Agan of North America, Inc.

January 15, 2008

Office of Pesticide Programs (7504P) USEPA One Potomac Yard 2777 S. Crystal Drive, Room S-4900 Arlington, VA 22202

Attn: Erik Kraft (23)

Registration Division Phone: 703-308-9358

Re: Response to EPA letter dated January 8, 2008

N-LOCK™ Nitrogen Stabilizer- EPA Reg. No. 66222-RAG

Submission of Revised BASIC CSF using alternate inert ingredient

Dear Mr. Kraft:

Makhteshim Agan of North America, Inc. is submitting a revised BASIC CSF in response to EPA letter dated January 8, 2008. We have substituted the inert in question with an approved inert. Please use this CSF in your review of N-Lock Nitrogen Stabilizer — EPA File Symbol-66222-RAG.

In support of this submission, the following documents are attached:

- Application for Pesticide Registration (8570-1)
- Confidential Statement of Formula (8570-4)(2 copies)(dated 1-15-08)
- Copy of the MSDS for the substituted inert
- Copy of EPA letter dated 1-8-08

Should you have questions about this application, please contact me at 901-861-4400 or email at janer@manainc.com.

Sincerely,

Jane Rothwell Registration Specialist

Enclosures

Please	read in	etructio	ne on n	YOU'S	he/ore	comp	waine	fon
_		_					Unite	1 81

Registration
Amendment

United State Environmental Protection		-			egistra		OPP Identifier Number
Washington, DC		ncy			mend: ther	ment	
Apolice	ation for I	Pesticio	le - Sect				
1. Company/Product Number		F	roduct Mena			3, Pr	oposed Classification
66222-RAG		ŀ	e Miller/ Er	-	· · · · · <u>-</u>		None Restricted
4. Company/Product (Name) N-Lock (TM) Nitrogen Stabilizer		PM# 23					
5. Name and Address of Applicant (Include ZIP Code)							FIFRA Section 3(c)(3)
Makhteshim Agan of North America, Inc., 4515 Falls of Neuse Rd., Suite 300		(b)(i), m to:	y product is	s similar	or iden	tical in co	mposition and labeling
Raieigh, NC 27609		EPA R	eg. No. <u>6</u>	2/19-	-20		
Check if this is a new address				ows N		e 24	
	Sec	tion - II					
Amendment - Explain below.		[]	Final printed	labels in	repsons	e to	
Resubmission in response to Agency letter dated	1-8-08	H	Agency lette "Me Too" A		n.		
		- 님					
Notification - Explain below.		<u> </u>	Other - Expl	MU Deloa	7.		
Explanation: Use edditional page(s) if necessary. (For se	ction I and Se	ction II.)					
Submission of revised CSF in response to EPA letter dated Jai	nuary 8, 2008.						
	Soot	ion - II					
1. Material This Product Will Be Packaged in:	3801	10 <u>11 - 11</u>	J				<u> </u>
Child-Resistant Packaging Unit Packaging	Water	Soluble Pa	ckeging	2.	Type of	Container	··· .
Yes Yes		Yes				Motel	
✓ No ✓ No	V	No				Plastic Glass	
* Certification must If "Yes" No. per Unit Packaging wat, contain			No. per		-	Paper Other (S	casina plestic
be submitted	I POCKAL	to with				_ Other (s	ppecity)
3. Location of Net Contents Information 4. Size(s)	Retail Contail			f "3		bel Directio	one
✓ Label Container	gallo	ons		<u> </u>	on label	<u> </u>	·
6. Manner in Which Label is Affixed to Product Line Pa	thograph sper glued tenciled		√ Other	self-a	dhesive	•	
	Sect	ion - IV	1		•		
1. Contact Point IComplete items directly below for identific	cation of indivi	dual to be	contected, i	f necessi	ary, to p	ocess this	application.)
Name Jane Rothwell	Title Registra	tion Spec	ialist			Telephone 901-861-	e No. (Include Area Code)
Certi	fication						6. Date Application
I cartify that the statements I have made on this form I acknowledge that any knowlingly false or misleading both under applicable law.	end all attach statement m	ments the ay be puni	reto are true, shable by fin	e or imp	e and co decimen	happene.	Receited (Stamped)
2. Signeture	3. Title		.			: :	7
AND (KOH)		lon Special	ist		•	••••	••••
4. Typed Name	5. Date				•		•
Jane Rothwell		1-15	-08				•••



Makhtesnim Agan of North America, Inc.

November 9, 2007

Document Processing Desk (REGFEE)
Office of Pesticide Programs (7504P)
USEPA
One Potomac Yard
2777 S. Crystal Drive, Room S-4900
Arlington, VA 22202

Attn: JoAnne Miller (23)

Registration Division Phone: 703-305-6224

Re: Application to Register a new product containing a currently registered active ingredient

N-LOCK™ Nitrogen Stabilizer- EPA Reg. No. 66222-xxx

New product –R30- 3 month review process; \$1850.00 t 3c/o . ○

g-

Dear Ms. Miller.

Makhteshim Agan of North America, Inc., is requesting registration of the above referenced product containing the active ingredient nitrapyrin. This product is substantially similar to Dow's N-Serve 24 (EPA Reg. No. 62719-20 – EPA approved 6/1/04).

We are submitting our own product chemistry but doing an offer to pay for the acutes. We ere using the Formulator's Exemption method of data support.

In support of this submission, the following documents are attached:

- Application for Pesticide Registration (8570-1)
- Confidential Statement of Formula (8570-4)(2 copies)
- Certification with Respect to Citation of Data (8570-34)
- Data Matrix (EPA Form 8570-35)
- Formulator's Exemption Statement (EPA Form 8570-27)
- Product Specific Product Chemistry as outlined in the Transmittal Document
- Five copies of draft labeling
- · Copy of the label we are me-tooing

Should you have questions about this application, please contact me at 901-861-4400 or email at

Sincerely,

Jane Rothwell

Registration Specialist

Enclosures



Makhtesnim Agan of North America, Inc.

TRANSMITTAL DOCUMENT

Application to Register
N-LOCK™
Nitrogen Stabilizer
EPA File Symbol: 66222-xx

Submitter:

Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609

Regulatory action/reason for submission:

Application for Registration of an end use product containing a currently registered active ingredient

Transmittal date: November 9, 2007

List of submitted studies:

Dot of outstitution of	
MRID NO.	STUDY TITLE
	N-Lock Product Chemistry: Series 61 through 62 OPPTS Guideline Series 830:
	Author: Anne Stout, November 8, 2007, Makhteshim Agan of North America, Inc.
	Nitrapyrin 240 SL: Physical and Chemical Characteristics,-Series 63: OPPTS
	Guideline Series:830.6302, 830.6303, 830.6304, 830.6314,830.6315, 830.7000,
	830.7100

Company official:

Leanne Pruett, Product Manager

919-256-9323

Company name:

Makhteshim Agan of North America, Inc.

Company contact:

Jane Rothwell, Registration Specialist

Environmental Pro	States tection	Agency		Registra Amendr	tlon	OPP Identifier Number
		- 	<u>ا ا</u>			<u></u>
	lication	1		<u> </u>	2 2	
66222-xx RAG		Jo Anne Miller	seg or		3.70	
4. Company/Product (Name) N-Lock (TM) Nitrogen Stabilizer	•	PM# 23		· · · · · · · · · · · · · · · · · · ·	75	Note
5. Name and Address of Applicant (Include ZIP Code) Makhteshim Agan of North America, Inc., 4515 Falls of Neuse Rd., Suite 300 Raleigh, NC 27609		(b)(i), my product to: EPA Reg. No.	is sim	ilar or ident 9-20	ical in co	
Check if this is a new address			Dow	s N-Serv	3 24	
		Section - II				
Notification - Explain below. Explanation: Use additional page(s) if necessary. (Fo Application to register a new product.	er section i d	"Me Too" Other - Ex	Applica	ation.		
Meterial This Product Will Be Packaged in:		Section - III				
Child-Resistant Packaging Yes Yes No Yes No		Yes V No		2. Type of	Metal Plastic Glass Paper	
T Provide A Company of the Company o			DC			specify) plastic
3. Location of Net Contents Information 4. Si	zo(s) Retail	Container gallons	5. La	on label	el Directio	Pridi
Environmental Protection Agency Weshington, Dc 20460 Section						
		Section - IV				
1. Contact Point IComplete items directly below for ide	ntification o	of individual to be contected	, if nec	essary, to pr	ocess this	application.)
Name Jane Rothwett	1					
! certify that the etatements I have made on this i i acknowledge that any knowlingly false or misles	la bne mo	attachments thereto are tr	ie, sec fine or	urate and co Imprisonmen	nplete. t or	*Rebat/ed
2. Signeture Roll		Title egistration Specialist				

5. Date

11-9-07

EPA Form 8570-1 (Rev. 3-34) Previous editions are obsolete.

Jane Rothwell

White - EPA File Copy (original)

Yellow - Applicant Cop

	F	om Ar ×	d. OMB No. 2070-0050. Approval Expires 5-3
O FDA	United States		
ひにけ れ	Environmental Protection / Weshington, DC 20460	rgency	
	Formulator's Exemption (40 CFR 152.85)	Stateme	ent
opplicent's Name and Address	E	PA File Symbo	k/Registration Number
Makhteshim Agan of North America, Inc. 4515 Falls of Neuse Rd., Suite 300		6222-xx	
Ratelgh, NC 27809	<u> </u>	odust Name	
		-LOCK Nitroge	en Stabilizer
	D	ste of Confide	indel Statement of Formula (EPA Form 8570-4
	1	0-24-07	
nitrapyrin			
	g, formulation or repackaging anoth A Section 3, is purchased by us for	ter product	he result of the use of that active t which contains that active ingredien producer, and is labeled for at least
(3) Indicate by checking (A) or (B)	below which paragraph applies:		
	statement of Formula (EPA FORM & lat formula statement indicates, by ingredient(s) listed in paragraph (1 OR	сотрапу п	r the above identified product is same, registration number, and produ
			iced above and on file with the EPA I e current CSF.
(4) The following active Ingredient	ts in this product qualify for the for	mulator's e	exemption.
	Source		
Active Ingredient	Product Name		Registration Number
itrepyrin		İ	
		}	

		l l	•
	1		_

Name and Title

Jane Rothwell, Registration Specialist

EPA Form 8570-27 (Rev. 8-95)

US. GPO: 1888-988-620/20418

White • EPA copy Yellow - Applicant copy

Date





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE information Management Division (2.137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460.

comments regarding burden estimate or any other aspect of this collection of information Management Division (2137), U.S. Environmental Protection Agency, 401 Do not send the completed form to this address.		
Certification with Respect	to Citation of	Data
Applicant's/Registrant's Name, 'Address, and Telephone Number MANA Inc., 4515 Falls of Neuse Rd, Suite 300, Raleigh, NC 27609, 919-256-9300)	EPA Registration Number/File Symbol 66222-xx
Active Ingredient(s) and/or representative test compound(s) nitrapyrin		Date 11-9-07
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158 terrestrial food)	Product Name N-LOCK Nitrogen Stabilizer
NOTE: If your product is a 100% repackaging of another purchased EPA-registere submit this form. You must submit the Formulator's Exemption Statement (EPA Formulator's Exemption Statement (EPA Formulator's Exemption Statement)		r all the same uses on your label, you do not need to
arm responding to a Deta-Call-In Notice, and have included with this form a be used for this purpose).	list of companies se	nt offers of compensation (the Data Matrix form should
SECTION I: METHOD OF DATA SUPF	ORT (Check one m	ethod only)
I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).	under the	g the selective method of support (or cite-all option selective method), and have included with this form a d list of data requirements (the Data Matrix form must be
SECTION II: GENERAL	OFFER TO PAY	
[Required if using the cite-all method or when using the cite-all option under the select I hereby offer and agree to pay compensation, to other persons, with regard to	the approval of this	
SECTION III: CERT	TFICATION	· · · · · · · · · · · · · · · · · · ·
I certify that this application for registration, this form for reregistration, or the application for registration, the form for reregistration, or the Data-Call-In response. In indicated in Section I, this application is supported by all data in the Agency's files the substantially similar product, or one or more of the ingredients in this product; and (2) requirements in effect on the date of approval of this application if the application soul uses.	n eddition, if the cite- it (1) concern the pro- is a type of deta the	all option or cite-all option under the selective method is operties or effects of this product or an identical or It would be required to be submitted under the data
I certify that for each exclusive use study cited in support of this registration the written permission of the original data submitter to cite that study.	or reregistration, th	et I am the original data submitter or thet I have obtained
I certify that for each study cited in support of this registration or reregistratic submitter; (b) I have obtained the permission of the original data submitter to use the compensation have expired for the study; (d) the study is in the public literature; or (e) offered (I) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(amount and terms of compensation, if any, to be paid for the use of the study.	study in support of the large in wr	his application; (c) all periods of eligibility for iting the company that submitted the study and have
I certify that in all instances where an offer of compensation is required, cop- accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will evidence to the Agency upon request, I understand that the Agency may initiate action FIFRA.	be submitted to the	Agency upon request. Should I fail to produce such
i certify that the statements I have made on this form and all attachm knowingly false or misleading statement may be punishable by fine or impriso		
Signature River	Date 11-9-07	Typed or Printed Name and Title Jane Rothwell, Registration Specialist

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	DAT	A MATRIX			
Date 11-9-07			EPA Reg No./File Symbol 66222-xx	Page 1 of 2	
Applicant's/Registrant's Name & Addr Makhteshim Agan of No. America,ind	ess c., 4516 Falls of Neuse Rd, Sulta 300, Raleigh, NC 27609		Product N-LOCK Nitrogen Stabilizer		
Ingredient nitrapyrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550,830.1600,830.1870,	N-Lock Nitrogen Stablizer, Product Chemistry		Makhteahim Agan of North America, Inc.	OWN	
830.1700,830.1750,830.1800,	Guideline Series 61 through 62 OPPTS Guideline				
	Series 630				
		·			
830.6302,830.6303,830.6304,	Nitrapryrin 240St Physical and Chemical Characteristics		Makhteshim Agan of North America, Inc.	OWN	
830.6314,830.6315,830.7000,	Color, Physical State, Odor, Oxidation/Reduction,				
830.7100	Flammability, pH, Viscosity, and Density/Relative Density				
870.1100,870.1200,870.1300,	Acute Oral Toxicity, Acute Dermal Toxicity, Acute		The Dow Chemical Co. /Agent for Dow Chemical	PAY	
870.2400,870.2500,870.2600	Inhalation Toxicity, Primary Eye Initiation, Dermal		1500 East Lake Cook Road		
	Sensitization		Buffalo Grove, IL 60089		
870.1100,870.1200,870.1300,	Acute Oral Toxicity, Acute Dermal Toxicity, Acute		Dow Agrosciences LLC	PAY	
870.2400,870.2500,870.2600	Inhalation Toxicity, Primary Eye Initation, Dermal		9330 Zionsville Rd, 308 / 2E		
	Sensitization		Indianapolis, IN 46268		
870.1100,870.1200,870.1300,	Acute Oral Toxicity, Acute Dermal Toxicity, Acute		Spray Drift Task Force	MEM	
870.2400,870.2500,870.2800	Inhalation Tox., Primary Eye kritation, Denni Sensitization		1900 K St.,NW, Washington, D.C. 20006		
Signature ()	*** * *** *	* *	Name and Title		Date
The (K.	$\mathcal{L}\mathcal{J}$		Jane Rothwell, Registration Specialist		11- 9- 07

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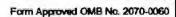
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send the form to this address.						
		DATA MATRIX				
Data 11- 0- 07			EPA Reg No./File Symbol 66222-xx		Page 1 of 2	
Applicant's/Registrant's Name & Ad	dress		Product			
ilakhteshim Agan of No. America,i	nc., 4515 Falls of Neuse Rd, Suits 300, Raleigh,	NC 27609	N-LDCK Nitrogen Stabilizer			
ngredient nitrapyrin		<u> </u>				
Suideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
			Makhteshim Agan of North America, Inc.	OWN		
					1	
			Makhteshim Agen of North America, Inc.	OWN		
			The Dow Chemical Co. /Agent for Dow Chemica	PAY		
			1500 East Lake Cook Road			
			Buffafo Grove, iL 60089			
			Dow Agrosciences LLC	PAY		
			9330 Zionsville Rd. 308 / 2E			
			Indianapolis, IN 46268			
			Spray Drift Task Force	MEM		
			1900 K St.,NW, Washington, D.C. 20006			
Signature A	7)	• • • •	Name and Title	L	Date	
Salar 1	ر مال <i>د</i>		Jane Rothwell, Registration Specialist		11- 9- 07	

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	DATA	A MATRIX			
Date 11-9-07			EPA Reg No./File Symbol 66222-xx		Page 2 of 2
Applicant's/Registrant's Name & Ad Makhleshim Agan of No. America,i	dress nc., 4515 Fells of Neuse Rd, Suite 300, Raleigh, NC 27609		Product N-LOCK Nitrogen Stabilizer		
Ingredient nitrapyrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.1100,870.1200,870.1300,	Acute Oral Toxicity, Acute Dermal Toxicity, Acute		Agricultural Reentry Task Force	MEM	
870.2400,870.2500,870.2600	Inhalation Tox., Primary Eye Inflation, Dermi Sensitization		1350 I St., NW		
			Washington, DC 20005		
870.1100,870.1200,870.1300,	Acute Oral Toxicity, Acute Dermai Toxicity, Acute		FIFRA Endangered Species Task Force	PAY	
870.2400,870.2500,870.2600	Inhalation Tox., Primary Eye Irritation, Dermi Sensitization		1350 I St., N.W.		
			Washington, DC 20005		
Signature (Name and ⊺itie	•	Date
TOROKO	\sim		Jane Rothwell, Registration Specialist		11-9-07

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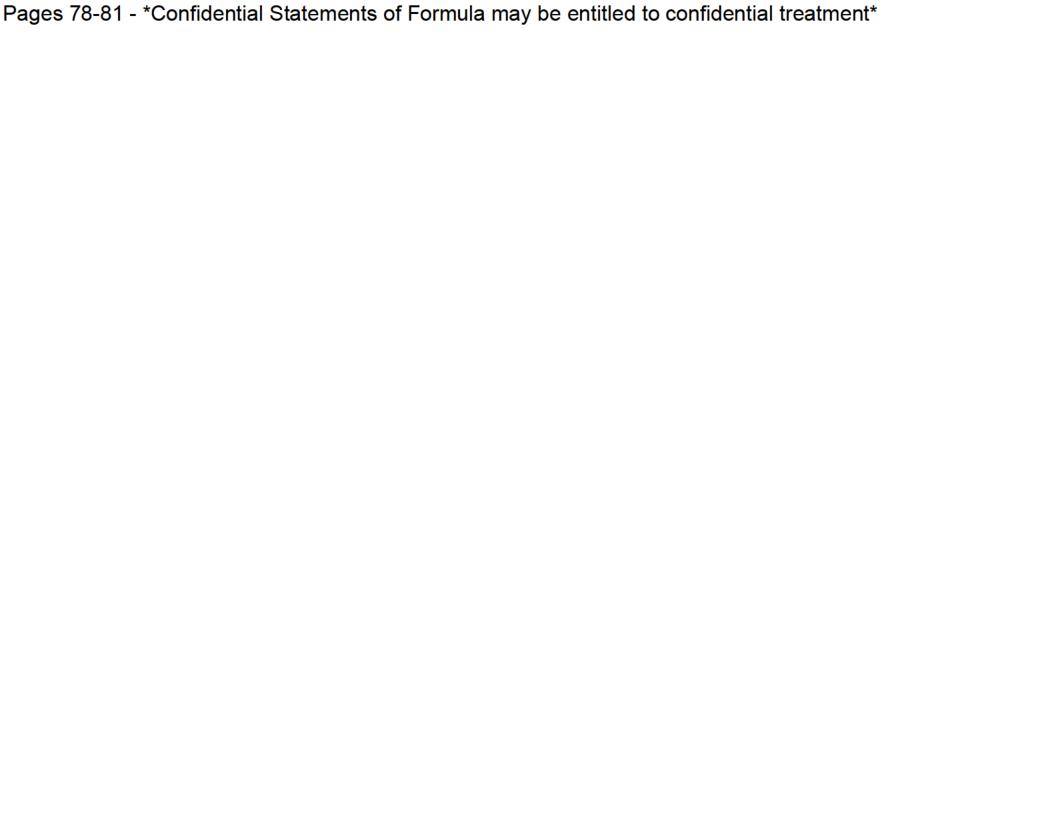
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		DATA MATRIX			
Date 11-9-07			EPA Reg Nou/File Symbol 66222-xx		Page 2 of 2
Applicant's/Registrant's Name & A Makhteshim Agan of No. America	ddress Inc., 4515 Falls of Neuse Rd, Suite 300, Raleigh, NC	27609	Product N-LOCK Nitrogen Stabilizer		
ngredient nitrapyrin					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Agricultural Reentry Task Force	MEM	
			1350 St., NW		
			Washington, DC 20005		
			FIFRA Endangered Species Task Force	PAY	14
			1350 St., N.W.	1-2-0	
			Washington, DC 20005		
				T P	
Signature Luc (Co			Name and Title		Date
fre lla	ω		Jane Rothwell, Registration Specialist		11-9-07

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To Shyam Mathur/DC/USEPA/US@EPA

Joanne Miller/DC/USEPA/US@EPA, Kathryn Montague/DC/USEPA/US@EPA, Annie Stout <annies@manainc.com>, Robert Everich

bcc

Subject Updated CSF - N-Lock Nitrapyrin end use product

Dear Dr. Mathur -

As per your conversation earlier today with Dr. Robert Everich, please find attached an updated CSF for MANA's N-Lock nitrapyrin end use product. I believe that we have corrected all the deficiencies within CSF. Thank you for allowing us the opportunity to do so.

Best Regards,

P. Leanne Pruett

Regulatory Product Manager

Makhteshim Agan of North America, Inc.

Tel: (919) 256-9323 Fax: (919) 256-9308 lpruett@manainc.com

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N-Lock Nitrapyrin CSF 2-27-08.pdf

